Course Prefix and Number: EMS 128  
Credits: 1

Course Title: Airway, Shock, and Resuscitation Lab

Course Description: Focuses on specific skills related to airway, resuscitation, and shock management. Prerequisite: Current Virginia EMT and CPR certification as approved by the Virginia Office of EMS. Co-requisite: EMS 127. Laboratory 2 hours per week.

General Course Purpose: The purpose of this course is to teach the paramedic student the principle skills of airway management, resuscitation techniques, and care of a patient in shock.

Course Prerequisites and Co-requisites:  
Prerequisite: Current Virginia EMT and CPR certification as approved by the Virginia Office of EMS  
Co-requisite: EMS 127

Student Learning Outcomes:  
Upon completing the course, the student will be able to  
a. Perform airway management techniques safely and accurately in the laboratory setting;  
b. Demonstrate competency in the use of supraglottic airway devices;  
c. Demonstrate competency in the use of CPAP and PEEP;  
d. Demonstrate competency in CPR, AED use, and management of the choking patient;  
e. Demonstrate competency in performing orotracheal intubation on a minimum of ten (10) adult patients in the laboratory setting;  
f. Demonstrate competency in performing nasotracheal intubation on a minimum of two (2) adult patients in the laboratory setting; and  
g. Demonstrate competency in the use of fluid resuscitation in a patient suffering from shock.

Major Topics to Be Included:  
a. Airway Management Devices  
   ▪ Bag-Mask techniques and rescue breathing for adults and children  
   ▪ Relief of choking in infants or victims 1 year of age and older  
   ▪ Supraglottic airway devices  
   ▪ CPAP  
   ▪ Endotracheal intubation  
   ▪ Nasotracheal intubation  

b. Cardiopulmonary Resuscitation  
   ▪ 1 and 2 rescuer CPR for adults, children, and infants  
   ▪ Automated external defibrillator  
   ▪ Post-resuscitation care  

c. Shock Management  
   ▪ Identifying types of shock  
   ▪ Use of fluids in shock management  
   ▪ Considerations in geriatric and pediatric patients

Date Created/Updated (Month, Day, and Year): September 21, 2018